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Form PTO-1449 U.S. Department of  
Commerce Patent and Trademark Office  
INFORMATION DISCLOSURE  
STATEMENT  
IN AN APPLICATION  
(Use several sheets if necessary)

Docket No. H1799-00216 Serial No. 10/765,660

Applicant: John ROSENFELD et al.

Filing Date: 27 January 2004 Group Art Unit 3743

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
TJ	3,537,514	Nov. 1970	Levedahl			
TJ	3,613,778	Oct. 1971	Feldman, Jr.			
TJ	3,675,711	July 1972	Bilinski et al.			
TJ	3,681,843	Aug. 1972	Arcella et al.			
TJ	3,788,388	Jan. 1974	Barkmann			
TJ	4,042,316	Aug. 1977	Rabe			
TJ	4,046,190	Sept. 1977	Marcus et al.			
TJ	4,058,299	Nov. 1977	Lindkvist			
TJ	4,109,709	Aug. 1978	Honda et al.			

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	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	NO

## OTHER (Including Author, Title, Date, Pertinent Pages, Etc.)

TJ	Rosenfeld, J.H., "Nucleate Boiling Heat Transfer in Porous Wick Structures," ASME HTD Vol. 108, <i>Heat Transfer Fundamentals, Design, Applications, and Operating Problems</i> , R.H. Shah, Ed., pp. 47-55, 1989
TJ	Rosenfeld, J.H. and J.E. Lindemuth, "Acetone Heat Pipes for Stirling Orbiter Refrigerator/Freezer," Contract G350240J70 - final report to GE Gov't. Service, 16 April 1993
TJ	McDonald, K.E., Berchowitz, D., Rosenfeld, J.H., and Lindemuth, J.E., "Stirling Refrigerator for Space Shuttle Experiments," Proc. 29 <sup>th</sup> IECEC, paper 94-4179, pp. 1807-1812, 1994
TJ	Lindemuth, J.E., "Stainless Steel/Propylene Heat Pipe Interface for Stirling Orbiter Refrigerator/Freezer," NASA LeRC final report, PO. No. C-76546-F, 21 April 1998
TJ	Rosenfeld, J.H. and Lindemuth, J.E., "Heat Transfer in Sintered Groove Heat Pipes," International Heat Pipe Conference, 1999
TJ	Rosenfeld, J.H. and North, M.T., "Porous Media Heat Exchangers for Cooling of High-Power Optical Components," <i>Optical Engineering</i> , Vol. 34, No. 2, pp. 335-341, February 1995
TJ	Rosenfeld, J.H., Toth, J.E., and Phillips, A.L., "Emerging Applications for Porous Media Heat Exchangers," Proc. Int. Conf. on Porous Media and Their Applications in Science, Eng., and Industry, Kona, HI, 16-21 June 1996.

EXAMINER Thomas Droy DATE CONSIDERED 1/21/08

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*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
TD	4,116,266	Sept. 1978	Sawata et al.			
TD	4,118,756	Oct. 1978	Nelson et al.			
	4,177,646	Dec. 1979	Guadagnin et al.			
	4,186,796	Feb. 1980	Usui			
	4,231,423	Nov. 1980	Haslett			
	4,274,749	June 1981	Eastman			
	4,279,479	July 1981	Schrier			
	4,327,752	May 1982	Hickel			
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	4,361,133	Nov. 1982	Bonnema			
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TM	4,748,314	May 1988	Desage			
TD	4,765,396	Aug. 1988	Seidenberg			

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							YES	NO

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TD	Hartenstine, J.R., "High Heat Flux Tolerant Heat Pipe Wick Structures for Electronics Cooling Applications," Penn State School of Graduate Professional Studies, November 11, 2003	DATE CONSIDERED	1/21/05
EXAMINER	<i>Thomas D. May</i>		
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.			

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TD	4,777,561	Oct. 1988	Murphy et al.			
TD	4,807,697	Feb. 1989	Gernert et al.			
	4,819,719	April 1989	Grote et al.			
	4,830,097	May 1989	Tanzer			
	4,880,052	Nov. 1989	Meyer, IV et al.			
	4,840,224	June 1989	Dietzsch			
	4,865,729	Sept. 1989	Saxena et al.			
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	4,883,116	Nov. 1989	Seidenberg et al.			
	4,885,129	Dec. 1989	Leonard et al.			
	4,912,548	March 1990	Shanker et al.			
	4,921,041	May 1990	Akachi			
	4,929,414	May 1990	Leonard et al.			
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TD	5,200,248	April 1993	Thompson et al.			
TD	5,219,020	June 1993	Akachi			

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EXAMINER <i>Thompson</i>	DATE CONSIDERED <i>1/21/05</i>
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TJ	5,242,644	Sept. 1993	Thompson et al.			
TJ	5,253,702	Oct. 1993	Davidson et al.			
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	5,283,715	Feb. 1994	Carlsten et al.			
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	5,320,866	June 1994	Leonard			
	5,331,510	July 1994	Ouchi et al.			
	5,333,470	Aug. 1994	Dinh			
	5,349,237	Sept. 1994	Sayka et al.			
	5,408,128	April 1995	Furnival			
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	5,522,455	June 1996	Brown et al.			
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TJ	5,947,193	Sept. 1999	Adkins et al.			
TJ	5,950,710	Sept. 1999	Liu			

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EXAMINER <i>Thompson</i>	DATE CONSIDERED <i>1/28/05</i>
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TD	6,041,211	March 2000	Hobson et al.			
TD	6,055,157	April 2000	Bartilson			
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	6,056,044	May 2000	Benson et al.			
	6,082,443	July 2000	Yamamoto et al.			
	6,076,595	June 2000	Austin et al.			
	6,148,906	Nov. 2000	Li et al.			
	6,154,364	Nov. 2000	Girrens et al.			
	6,158,502	Dec. 2000	Thomas			
	6,167,948	Jan. 2001	Thomas			
	6,169,852	Jan. 2001	Liao et al.			
	6,227,287	May 2001	Tanaka			
	6,230,407	May 2001	Akutsu			
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	6,256,201	July 2001	Ikeda et al.			
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	6,302,192	Oct. 2001	Dussinger et al.			
	6,303,081	Oct. 2001	Mink et al.			
	6,382,309	May 2002	Kroliczek et al.			
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TD	6,397,935	June 2002	Yamamoto et al.			
TD	6,418,017	July 2002	Patel et al.			

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EXAMINER <i>Zhang, D.</i>	DATE CONSIDERED <i>1/21/05</i>
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